

Message Text

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ACTION SS-25

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S E C R E T SECTION 1 OF 2 MOSCOW 10000

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E.O. 11652 XGDS-3

TAGS: PARM, US, UR

SUBJECT: TTBT/PNE NEGOTIATIONS: STOESSEL STATEMENT AT PLENARY
MEETING, JULY 17, 1975

TTBT/PNE DELEGATION MESSAGE NO. 67

1. FOLLOWING IS STOESSEL STATEMENT AT JULY 17 PLENARY MEETING:

BEGIN TEXT:

IN OUR STATEMENTS OF JULY 10 AND 15 WE DESCRIBED THE US VIEW OF
OBSERVER RIGHTS AND ACTIVITIES AS THEY RELATE TO:

1. CONFIRMATION OF INFORMATION EXCHANGED TO ASSIST TELESEISMIC
DETERMINATION OF YIELD; AND
2. IMPLEMENTATION OF TECHNICAL METHODS FOR VERIFICATION OF GROUP
EXPLOSIONS.

THOSE STATEMENTS WERE DESIGNED TO ILLUSTRATE HOW CERTAIN OBSERVER
RIGHTS AND FUNCTIONS ARE RELATED TO AGREED TECHNICAL ASSESSMENTS
ARRIVED AT BY THE EXPERT GROUPS.

TODAY I WILL ILLUSTRATE OBSERVER ACTIVITIES WHICH COULD BE
ASSOCIATED WITH A GIVEN PROJECT FROM BEGINING TO END. FOR THIS

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PARTICULAR EXAMPLE WE HAVE CHOSEN A GROUP EXCAVATION EXPLOSION

WHOSE AGGREGATE YIELD IS IN EXCESS OF THE AGREED LIMIT FOR SINGLE EXCAVATION EXPLOSIONS.

ON SITE OBSERVATION OF EXCAVATION PNEs, TOGETHER WITH NATIONAL TECHNICAL MEANS, WOULD PROVIDE THE BASIS FOR INDEPENDENT CONFIRMATION OF COMPLIANCE WITH AGREED LIMITATIONS.

THE OBSERVERS WOULD PERFORM ANY OR ALL OF SEVEN GENERAL TASKS:

- (1) CONFIRM THE VALIDITY OF INFORMATION EXCHANGED ON THE DEPTH-OF-BURIAL OF EACH EXPLOSIVE, THE GEOMETRY OF THE EMPLACEMENT HOLE, THE RELATIVE POSITION OF EACH EXPLOSIVE IN THE GROUP, AND THE RELATIVE TIMES OF THE EXPLOSIONS.
- (2) CONFIRM THE VALIDITY OF INFORMATION EXCHANGED ON THE GEOLOGICAL AND GEOPHYSICAL CHARACTERISTICS OF THE ROCK UNITS SURROUNDING EACH POINT OF EXPLOSIVE EMPLACEMENT.
- (3) VERIFY THE YIELDS OF INDIVIDUAL EXPLOSIONS BY MEANS OF SLIFER INSTRUMENTS.
- (4) CONFIRM THAT THE FISSION YIELD OF EACH EXPLOSIVE WAS CONSISTENT WITH THE AGREED UPPER LIMIT.
- (5) MAKE RADIATION FIELD MEASUREMENTS.
- (6) EMPLACE AND OPERATE A NETWORK OF PORTABLE INSTRUMENT PACKAGES, WHICH WOULD INCLUDE SEISMOMETERS, WITHIN A DISTANCE OF 10 KILOMETERS FROM EACH POINT OF EXPLOSIVE EMPLACEMENT IN THE EXCAVATION GROUP; AND
- (7) CONFIRM THAT CIRCUMSTANCES AT THE SITE ARE CONSISTENT WITH THE STATED PEACEFUL PURPOSE OF THE EVENT.

THE RIGHTS AND FUNCTIONS PROVIDED FOR OBSERVERS MUST BE DESIGNED TO FACILITATE ACHIEVEMENT OF THEIR PURPOSES.

THE ACTIVITIES OF THE OBSERVERS AND ALL TECHNICAL INSTRUMENTS USED IN THEIR ACTIVITIES WOULD BE OPEN TO EXAMINATION BY THE HOST PARTY.

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THE NUMBER OF OBSERVERS WOULD VARY FROM PROJECT TO PROJECT WITHIN AGREED NUMERICAL LIMITS DEPENDING ON THE SCOPE AND COMPLEXITY OF THE PROJECT.

THE NUMBER OF OBSERVERS MAY VARY FROM TIME TO TIME IN ANY PARTICULAR PROJECT DEPENDING ON THE SCHEDULE OF PREPARATIONS FOR AND CARRYING OUT OF EXPLOSIONS.

THE OBSERVERS WOULD BE ACCOMPANIED BY PERSONNEL OF THE HOST SIDE AS THEY CARRYOUT THEIR OBSERVATION ACTIVITIES.

BEFORE START OF A PNE EXCAVATION PROJECT, AN EXCHANGE OF INFORMATION WOULD BE CARRIED OUT IN ACCORDANCE WITH AN AGREED SCHEDULE.

THE INITIAL EXCHANGE OF INFORMATION FOR THIS PARTICULAR EXAMPLE WOULD INCLUDE ALL THE INFORMATION CONTAINED IN PARAGRAPHS A, B, AND C OF THE REPORT OF EXPERT GROUP I AND INFORMATION CONTAINED IN SECTION II, SECTION III AND SECTION IV OF THE REPORT OF THE EXPERT GROUP VI.

THE OBSERVERS WOULD NEED TO BE PRESENT AND FUNCTIONING AT THE SITE OF A PLANNED PNE EXCAVATION SHOT AT THE START OF DRILLING OF THE EMPLACEMENT HOLE.

THE PURPOSE OF OBSERVER FUNCTIONS DURING THE DRILLING PHASE IS TO CONFIRM THE GEOLOGICAL AND GEOPHYSICAL DATA THAT WE EXCHANGED IN ADVANCE. THEY WOULD DO THIS BY STUDY OF DRILL CORE AND ROCK FRAGMENTS FROM THE EXPLORATORY DRILL HOLES, BY EXAMINATION AND ANALYSIS OF ROCK FRAGMENTS FROM THE EMPLACEMENT HOLES AND BY A GEOLOGICAL SURVEY OF THE SURFACE. THE DEPTH OF THE EMPLACEMENT HOLE WOULD BE MEASURED; THE GEOMETRY OF THE EMPLACEMENT HOLES WOULD BE CONFIRMED; AND THE LOCATIONS OF EMPLACEMENT HOLES AND THE PERTINENT DOWN-HOLE COORDINATES WOULD BE CONFIRMED.

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THE OBJECTIVE OF THIS ACTIVITY IS TO CONFIRM INFORMATION PROVIDED IN ADVANCE, NOT TO DUPLICATE IT.

AFTER COMPETITION OF THIS PHASE, OBSERVERS WOULD NOT NEED TO BE PRESENT AT THE PROJECT SITE UNTIL THE BEGINNING OF EXPLOSIVES EMPLACEMENT.

THE OBSERVING SIDE WILL NEED TO BE PROVIDED WITH NOTICE OF THE TIME WHEN EACH EXPLOSIVE IS TO BE EMPLACED, LONG ENOUGH IN ADVANCE SO THAT OBSERVERS CAN RETURN TO THE PROJECT SITE IN SUFFICIENT TIME TO RECONFIRM DEPTH AND GEOMETRY OF EMPLACEMENT HOLES AND TO EMPLACE AND CHECK APPROPRIATE INSTRUMENTATION.

FOR DETERMINATION OF INDIVIDUAL YIELDS THROUGH SLIFER MEASUREMENTS, THE OBSERVERS WILL BRING THE SLIFER EQUIPMENT WITH THEM. THIS SLIFER EQUIPMENT WILL BE INSTALLED BY THE HOST SIDE BY PROCEDURES AS DESCRIBED IN OUR STATEMENT OF JULY 15. THE VERIFYING SIDE WILL CHECK-OUT AND OPERATE THE EQUIPMENT.

ADDITIONALLY, THE OBSERVERS SHOULD HAVE THE RIGHT TO BRING INSTRUMENTS WITH THEM TO MAKE INDEPENDENT MEASUREMENTS OF CERTAIN OF THE RESULTS OF THE EXPLOSIONS. THESE INSTRUMENTS WILL INCLUDE PORTABLE INSTRUMENT PACKAGES, RECORDING INSTRUMENTS, PHOTOGRAPHIC EQUIPMENT, OPTICAL EQUIPMENT, RADIATION SURVEY INSTRUMENTS, AND AUXILIARY TOOLS AND EQUIPMENT FOR RECORDING DATA, FOR CARRYING SPECIMENS, AND FOR FIELD MAINTENANCE. THIS EQUIPMENT WOULD BE OPEN
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TO EXAMINATION BY THE HOST SIDE.
THE OBSERVERS WILL NEED UNRESTRICTED ACCESS ANYWHERE WITHIN A TEN-KILOMETER DISTANCE FROM THE POINTS OF EXPLOSIVE EMPLACEMENT, USING LOCAL TRANSPORTATION SUPPLIED BY THE HOST SIDE.

THE OBSERVERS SHOULD HAVE THE RIGHT TO EXAMINE INSTRUMENTATION WITHIN THE AREA ASSOCIATE WITH THE EXPLOSION -- EXCEPT, HOWEVER, THAT OBSERVERS SHALL NOT HAVE ACCESS TO EQUIPMENT OF INSTRUMENTS THAT ARE ELECTRICALLY CONNECTED TO THE CANNISTERS OF THE NUCLEAR EXPLOSIVES.

OBSERVERS SHOULD HAVE THE RIGHT TO PHOTOGRAPH THE PROJECT AREA OR ANY PART OF IT, INCLUDING CONSTRUCTION FEATURES, AT ANY TIME.

THE OBSERVERS WILL EMPLACE PORTABLE INSTRUMENT PACKAGES AT LOCATIONS OF THEIR CHOICE WITHIN 10 KILOMETERS OF THE POINTS OF EXPLOSIVES EMPLACEMENT.

THE INSTRUMENTS IN THESE PACKAGES WILL INCLUDE SEISMOMETERS, RADIATION MEASUREMENT DEVICES, AUTOMATIC RECORDING EQUIPMENT, AND SELF-CONTAINED POWER SUPPLIES.

THE SEISMOMETERS WILL BE USED TO CONFIRM THE ABSENCE OF UNANNOUNCED COLLATERAL EXPLOSIONS. THEY SHOULD BE IN PLACE AND FUNCTIONING FOR SEVERAL DAYS BEFORE THE ANNOUNCED EXPLOSION AND REMAIN FOR APPROXIMATELY A WEEK AFTER THE EXPLOSION. OBSERVERS SHOULD BE ASSURED OF ACCESS TO THE INSTRUMENTS THROUGHOUT THIS ENTIRE PERIOD.

IN THE COURSE OF SLIFER EMPLACEMENT, THE OBSERVERS WILL CONFIRM THE DEPTH OF THE EXPLOSIVE EMPLACEMENT. THE STEMMING OPERATION WILL BE OBSERVED AND THE OBSERVERS WILL TAKE SMALL SAMPLES FROM EACH BATCH OF THE STEMMING MATERIAL TO CONFIRM APPROXIMATE DENSITY.

THE OBSERVERS WILL WITNESS AND PHOTOGRAPH THE DETONATIONS.

AFTER THE DETONATION, AND WHEN RADIATION LEVELS PERMIT, THE OBSERVERS IN COMPANY WITH HOST PERSONNEL WILL SELECT AND RETRIEVE RADICHEMICAL MELT SAMPLES FROM THE LIP OF THE EXCAVATION CRATER. THESE RADICHEMICAL SAMPLES WILL REMAIN IN THE CUSTODY OF THE
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OBSERVERS AND WILL BE TRANSPORTED BY THEM TO THEIR OWN COUNTRY FOR ANALYSIS.

THE OBSERVERS WILL COLLECT THE DATA FROM THE INSTRUMENTS UPON WHICH THE SLIFER AND LOCAL SEISMOMETER DATA HAS BEEN RECORDED. COPIES OF THE DATA WILL BE SUPPLIED TO THE HOST PARTY. THERE SHOULD BE SUFFICIENT TIME ALLOWED THE OBSERVERS AFTER THE EXPLOSION TO CARRYOUT THESE TASKS, PREPARE THEIR INSTRUMENTS AND OTHER EQUIPMENT FOR DEPARTURE, AND EXAMINE PRELIMINARY POST-SHOT DATA THAT HAS BEEN SUPPLIED BY THE HOST PARTY.

REASONABLE RIGHTS SHOULD BE PROVIDED FOR RETURN TO THE SITE OF THE PROJECT TO CLARIFY INCONSISTENCIES THAT MAY ARISE DURING ANALYSIS OF OBSERVATIONAL RESULTS AND DATA PROVIDED BY THE HOST SIDE.

THANK YOU.

END TEXT.
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